

SketchUp as a Sun and Shade Analysis Tool

- • • A free workshop in San José on solar analysis and building design

Date: Tuesday, October 19, 2010

Time: 9am – Noon

Location: IBEW Local 332 Headquarters, 2125 Canoas Garden Avenue, 95125

Pre-registration is required

The Sun has a profound impact on building design. From energy impacts to visual comfort, understanding the sun's position and relationship to a facade is better dealt with early on in the design process. SketchUp is an easy-to-use 3-D modeling tool that allows users to quickly develop site-specific shading strategies and determine how the Sun will interact with their buildings for all times of day and year. In this course, Stet Sanborn, a designer with Siegel & Strain Architects, will cover the basics of Solar Geometry as he demonstrates how SketchUp can be used to quickly develop a number of effective designs for solar shading. The class will review three projects where Siegel & Strain has used SketchUp to better respond to Solar position and user needs early in the design process.

ABOUT THE INSTRUCTOR:

Stet Sanborn is a project designer and mechanical engineer at Siegel & Strain architects in Emeryville, CA. Mr. Sanborn is also a Guest Lecturer for the University of California, Berkeley, Department of Architecture, where he lectures on energy efficiency, sustainability, and building science. Prior to earning his Masters in Architecture at UC-Berkeley in 2007, Stet worked as a mechanical engineer for the Robert Bosch Corporation both domestically and abroad in their Automotive Chassis and Powertool Divisions. Mr. Sanborn has served on project teams for sustainable design projects in areas including design, climate analysis, energy analysis, daylighting, solar assessment, and site planning, 3D-modeling, construction documentation, post-occupancy evaluation, and user satisfaction surveys. In addition to being a Guest Lecturer at UC-Berkeley, Stet is a Lecturer at the California College of the Arts on Integrated Building Systems, Energy Systems and Green Building. He is an Associate Member of the American Institute of Architects and a member of the U.S. Green Building Council and the Society of Building Science Educators.

For registration, please visit:

To register, please visit
www.sanjoseca.gov/esd/energy/workshop-registration.asp

This class is presented by the Silicon Valley Energy Watch in partnership with the San José Solar America Cities program.

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